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EAST
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L10:  (4340)  electrostatic with charge.ti.
L11:  (45)  10 and(sensor)
L12:  (0)  11 and(periodic adj signal)
L13:  (2)  11 and(amplitude with signal)
L14:  (717)  electric with detector.ti.
L15:  (108)  14 and(sensor)
L16:  (0)  15 and(electrostatic adj charge)
L17:  (0)  15 and(periodic adj signal)
L18:  (1)  14 and(periodic adj signal)
L19:  (20)  14 and(magnitude with detect$3)
L20:  (28)  361/152 and(detect$3.ti.)
L21:  (9837)  340/$.ccls. and(detect$3.ti.)
L22:  (6806)  21 and(signal)
L23:  (64)  21 and(periodic adj signal)
L24:  (25)  23 and(sensor)
L25:  (8)  24 and(charge)
L26:  (27)  361/143 and(detect$3.ti.)
L27:  (12)  361/153 and(detect$3.ti.)
L29:  (6)  361/155 and(detect$3.ti.)
L30:  (41)  361/160 and(detect$3.ti.)
L31:  (76)  361/170 and(detect$3.ti.)
L32:  (15)  361/189 and(detect$3.ti.)
L33:  (12)  361/190 and(detect$3.ti.)
L34:  (175)  340/652 and(detect$3.ti.)
L35:  (78)  340/654 and(detect$3.ti.)
L36:  (291)  340/635 and(detect$3.ti.)
L37:  (95)  36 and(sensor)
L38:  (0)  37 and(electrostatic adj charge)
L39:  (16)  37 and(charge)
L40:  (1)  34 and(electrostatic adj charge)
L41:  (1)  361/155 and(detector.ti.)
L42:  (9)  electric with charge with detector.ti.
L28:  (27)  361/154 and(detect$3.ti.)
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L12: (0) l1 and(periodic adj signal)

	U		Document ID	Issue Da	Page	Title	Current OR	Current XR	Retrieval	Inventor	S	C
1	□	□	US 6437962 B1	20020820	13	Electromagnetic actuator with function	361/170	361/160		Muraji, Tetsuo	☑	□
2	☑	□	US 6326898 B1	20011204	14	Solenoid plunger position detection alg	340/635	340/644; 340/653;		O'Leyar, Stephen C. et al.	□	□
3	☑	□	US 6307376 B1	20011023	18	Fault detection system and method for solenoi	324/388	324/546; 361/154	361/154	Alexander, Randy et al.	□	□
4	☑	□	US 6271669 B1	20010807	13	Sensor circuit that converts detected chan	324/601	341/163; 341/164;	361/154	Kondo, Takayuki	□	□
5	☑	□	US 6147498 A	20001114	11	Device for detecting fault in solenoid valv	324/415			Sumiya, Osamu et al.	□	□
6	☑	□	US 5995356 A	19991130	11	Method and apparatus for controlling and de	361/154	361/160; 361/190	361/154	Glavmo, Magnus et al.	□	□
7	☑	□	US 5914656 A	19990622	8	Environmental condition detector tra	340/521	340/539.1; 340/539.26		Ojala, Roy et al.	□	□
8	☑	□	US 5889405 A	19990330	17	Method of detecting fault in electromagnet	324/522	123/90.11; 137/554;	361/154	Yanai, Akihiro et al.	□	□
9	☑	□	US 5861746 A	19990119	10	Method for detecting closure of a solenoid	324/207.16	324/207.26 ;		Ensten, Barry John	□	□
10	☑	□	US 5796261 A	19980818	5	Method and device for detecting solenoid act	324/705	324/415; 324/418		Golab, Pawel J.	□	□
11	☑	□	US 5774323 A	19980630	11	Detection of contact position from coil cur	361/187	324/418; 340/644;		Innes, Mark E. et al.	□	□
12	☑	□	US 5668476 A	19970916	4	Method of detecting when a moving componen	324/546	324/207.16	361/154	Archer, Michael Anthony	□	□
13	☑	□	US 5662081 A	19970902	6	Oil supply failure detection circuit	123/196S	361/187		Ng, Paul T. et al.	□	□
14	☑	□	US 5469825 A	19951128	7	Fuel injector failure detection circuit	123/479	123/481; 123/490;	361/154	Golab, Pawel J. et al.	□	□
15	☑	□	US 5343994 A	19940906	9	End of fill detector for a hydraulic clutch	192/85R	137/625.64 ;		Kyrtsos, Christos T.	□	□
16	☑	□	US 5270900 A	19931214	6	Solenoid response detector	361/153	361/159; 361/171;		Alden, Eric D. et al.	□	□
17	☑	□	US 5245261 A	19930914	26	Temperature compensated overcurren	318/558	257/467; 257/E29.06		Ashley, Donald J. et al.	□	□
18	☑	□	US 5241218 A	19930831	5	Armature movement detection circuit	307/104	361/154; 361/187	361/154	Page, Michael	□	□
19	☑	□	US 5054599 A	19911008	11	End of fill detector for a hydraulic clutch	192/85R	137/625.64 ;		Marcott, Tony L.	□	□